

# **DII COE NTAG Status Brief**

## **DII COE & NT ... Achieving NT Parity**

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# Background

DII AF Chief Architects' Office

- Meeting with Dr. Perry and DISA Engineering Office in September '97 to Clarify NT Guidance and Recommendations on I&RTS
  - Embracing of Logo Specifications
  - Transition of DII COE Kernel to Industry
- Goal to Achieve NT Parity by DII COE v4.0, must Address
  - Kernel
  - Infrastructure Services
  - Common Support Applications

# Background

DII AF Chief Architects' Office

- Key Focus of Current Efforts is the DII COE NT Kernel
  - Integration & Run-Time Specification (I&RTS)
    - » Development Guidance
    - » Segmentation Guidance
  - Certification
  - Security

# I&RTS - Development Guidance (Development of Well-Behaved Apps)

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- **Recommendations**

- Adopt (by Reference) for DII COE v4.0
  - » Designed for Windows NT Logo Handbook
  - » Platform Software Development Kit
  - » Windows Interface Guidelines for Software Design
- Update Documentation (I&RTS, Style Guide, Programmers Reference Guide, Consolidated Installation Guide, etc.)

- **Next Steps**

- Evaluation of ISV Designed for BackOffice Logo
  - » Address Middle Tier (Application Server Services) of DII COE Architecture
- DoD Participation in Logo Specification Refinement and Evolution

# I&RTS - Segmentation Guidance (How to Segment)

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- **Recommendation**
  - **Current Segmentation Guidance for DII COE v3.0-3.3**
    - » **Include Creation of Segment Descriptor Files (SDF)**
    - » **Consider Waivers for Programs Transitioning between DII COE v3.3 and v4.0**
    - » **Follow Logo Program where Possible**
  - **InstallShield for DII COE NT v4.0**
    - » **DoD Templates to Preserve DII COE Configuration**
    - » **Vendor has Expressed Interest in Building DoD Templates**
  - **Support Current & Future Installer Environments until NT v5.0**
  - **Update Documentation (I&RTS, How to Segment Guide, Style Guide, API Reference Guide, Kernel Installation Guide, etc. )**
- **Next Steps**
  - **Evaluate Impacts of NT v5.0**

# I&RTS - Compliance Guidance

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- **Recommendation**
  - **Self Assessment (e.g., Checklist Assessment) \***
    - » Developers should be Encouraged to Use VeriTest Logo Compliance Freeware (Analyze.exe)
  - **Integration Testing (e.g., CFI and DCTF Testing) \***
  - **Update Documentation (I&RTS Checklist, etc.)**
- **Option**
  - **Logo Certification**
    - » DISA (CFI, DCTF) Certification
    - » Out-Source Certification (e.g., Veritest)
- **Next Steps**
  - **Map Logo Specification Requirements to DII COE Compliance Levels**

# Security

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- **Recommendations**
  - Adoption of Secure NT Configuration and Installation Guide
    - » Address Security Issues Raised by DODIIS Security Assessment
- **Next Steps**
  - Automate Security Configuration and Installation
  - Review of NT Security Utilities

# Conclusion

DII AF Chief Architects' Office

- Recommendations are an Essential First Step to Achieve NT Parity for Kernel Level Services
- Achieves Goal to Transition Kernel to Industry
- Promotes GOTS and COTS Interoperability While Preserving DoD Security Requirements
- Future Efforts to Focus on Achieving NT Parity
  - Middle Tier (Application Server Services) of DII COE Architecture
    - » Infrastructure Services
    - » Common Support Applications
  - Windows NT v5.0 Impacts

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Questions ?***

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